

ABSTRACT

A color cathode-ray tube including an in-line electron gun and a color cathode-ray tube apparatus including the same are provided. At an end, on a screen side, of the electron gun, two pairs of members for generating a magnetic field are placed above and below side beams of three electron beams so as to sandwich them, respectively. Between each of the two pairs of members for generating a magnetic field, a localized barrel magnetic field is formed to vary cross-sectional shapes of the side beams positioned on both sides of a center beam so that the cross-sectional shape of one of the side beams is horizontally or vertically elongated to a higher degree than that to which the cross-sectional shape of the other of the side beams is. Magnetic fields for reverse correction of spot distortions of the side beams are generated and therefore the symmetry in the spot distortions of the side beams asymmetric with each other is improved, thus improving focus quality.

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